

## STN Database Summary Sheet

**INIS (International Nuclear Information System)** is a bibliographic database covering the worldwide published literature in nuclear research and technology. The members of IAEA (International Atomic Energy Agency) and 14 international organizations supply citations of the literature published in their countries and institutions. Citations, mostly with abstracts, are in English, in addition titles are always included in the original language. Abstracts may be available in English, French or German.

NOTE: INIS is available in specific INIS member countries only. The member list is available at:

<http://www.iaea.or.at/programmes/inis/membercontacts/liaisonbycntry.htm>

### Subject Coverage

- Nuclear Energy
- Nuclear Fuels
- Engineering Science and Technology
- Nuclear and Fusion Reactors
- Life Sciences (Effects and Aspects of External Radiation, Radionuclides, Radiation Protection, Safety, Environmental Aspects)
- Instrumentation
- Physics (General Physics, High-Energy Physics, Neutron and Nuclear
- Physics)
- Isotopes, Isotope Applications and Radiation, Radiation Sources
- Safety Monitoring and Control
- Waste Management
- Economic Aspects, Nuclear Law, Nuclear Power Documentation
- Other Problems connected with Nuclear Power
- Chemistry, Materials Sciences, Geosciences
- Mathematical Methods and Computer Codes

### Sources

- About 7,600 journals and serials (58%)
- Reports (23%)
- 30% of all citations are conference contributions
- Books (8%)
- Patents
- Other non-conventional literature

### File Data

- 1970 to present
- More than 2,332,630 records (10/02)
- Updated weekly
- Automatic current-awareness searches (SDIs) are run weekly

### User Aids

- INIS Thesaurus
- Authority List for Journal Titles
- Subject Categories and Scope Descriptions
- Authority List for Corporate Entries and Report Number Prefixes
- Terminology and Codes for Countries and International Organizations
- Online Helps (HELP DIRECTORY lists all help messages available)
- STNGUIDE

### Database Producer

International Atomic Energy Agency  
Department of Nuclear Energy  
INIS and Nuclear Knowledge Management Section  
Wagramer Strasse 5  
Austria  
Phone: +43 1 2600 22883  
Fax: +43 1 2600 29882  
Email: [inis@iaea.org](mailto:inis@iaea.org)

### Database Supplier

FIZ Karlsruhe  
P.O. Box 2465  
D-76012 Karlsruhe  
Germany  
Phone: (+49) 7247/808-555  
Fax: (+49) 7247/808-131  
Email: [helpdesk@fiz-karlsruhe.de](mailto:helpdesk@fiz-karlsruhe.de)

#### In North America

CAS  
STN North America  
P.O. Box 3012  
Columbus, Ohio 43210-0012 U.S.A.

#### CAS Customer Care:

Phone: 800-753-4227 (North America)  
614-447-3700 (worldwide)  
Fax: 614-447-3751  
E-mail: [help@cas.org](mailto:help@cas.org)  
Internet: [www.cas.org](http://www.cas.org)

#### In Europe

FIZ Karlsruhe  
STN Europe  
P.O. Box 2465  
76012 Karlsruhe  
Germany  
Phone: +49-7247-808-555  
Fax: +49-7247-808-259  
E-mail: [helpdesk@fiz-karlsruhe.de](mailto:helpdesk@fiz-karlsruhe.de)  
Internet: [www.stn-international.de](http://www.stn-international.de)

#### In Japan

JAICI (Japan Association for International Chemical Information)  
STN Japan  
Nakai Building  
6-25-4 Honkomagome, Bunkyo-ku  
Tokyo 113-0021, Japan  
Phone: +81-3-5978-3601 (Technical Service)  
+81-3-5978-3621 (Customer Service)  
Fax: +81-3-5978-3600  
E-mail: [helpdesk@jaici.or.jp](mailto:helpdesk@jaici.or.jp) (Technical Service)  
[cas-stn@jaici.or.jp](mailto:cas-stn@jaici.or.jp) (Customer Service)  
Internet: [www.jaici.or.jp](http://www.jaici.or.jp)

## Search and Display Field Codes

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index (contains single words from TI, AB, CT, BT)	None (or /BI)	S REACTOR S NUCLEAR(2W)OPTIONS S NUCLEAR(W)POWER(S) DURATION	TI, AB, ABDE, ABFR, CT, CTDE, BT, BTDE
Application Country	/AC	S FR/AC	AI
Application Date	/AD	S 861010/AD	AI
Application Number	/AP	S 248135/AP	AI
Author (editor, patent inventor)	/AU	S HINDE, D/AU	AU
Broader Terms	/BT	S ANGULAR MOMENTUM/BT	BT
Broader Terms in German	/BTDE	S MOS-TRANSISTOREN/BTDE	BTDE
Classification Codes (code, main code and text)	/CC	S E3200/CC S *E3500/CC S (NON(W)BREEDING)/CC S (ALLGEMEINE(W)PHYSIK) /CCDE	CC
Classification Codes in German (code, main code and text)	/CCDE		CC
Corporate Source (affiliation, country of affiliation, patent assignee)	/CS	S (SANDIA(S)ALBUQUERQUE)/CS S (ISOLATION(L)COLUMBUS)/CS S MOBIL OIL ?/CS	CS, AU
Controlled Terms (main headings) (1)	/CT	S RADIATION DOSES/CT	CT
Controlled Terms in German (1)	/CTDE	S ALLYL RADIKALE/CTDE S (POLYMER(S)PHYSIKAL?) /CTDE	CTDE
Country of Publication (code and text)	/CY	S AUSTRALIA/CY S AU/CY	CY
Document Type (code and text)	/DT	S PATENT/DT	DT
Element Terms (3,4) (contains chem. elements and formulas, compounds (CP), materials (SY: >= 2 metals), dopings, ions neg. (IN), ions pos. (IP), isotopes (IS), nuclear reactions (target T, reaction R, final nucleus F))	/ET	S MG/ET S ALCU2MN/ET S TI-MO-AL/ET S AL*CU*MN/ET S MG CP/EP S ZN SY 3/ET S SI:H/ET S BE IP 2/ET S 119SN/ET	ET
Field Availability	/FA	S ABFR/FA	FA
International Patent Classification	/IC	S A43B/IC S B01D003-040/IC	IC
Journal Title	/JT	S GAN NO RINSHO/JT	SO
Language (code and text)	/LA	S RUSSIAN/LA S DE/LA	LA
Meeting Date	/MD	S 860922/MD	SO
Meeting Year	/MY	S 1983/MY	SO
Number of Contract	/NC	S 256-81-7 WAS UK/NC	NC
Number of Report (number and prefix)	/NR	S AAEC-E--609/NR S AAEC/NR	NR
Patent Country	/PC	S HU/PC	PI
Publication Date	/PD	S 710622/PD	SO, PI
Patent Kind Code	/PK	S RE/PK	PI
Patent Number	/PN	S 2147449/PN	PI
Priority Country	/PRC	S ZA/PRC	PRAI
Priority Date	/PRD	S 780724/PRD	PRAI
Priority Number	/PRN	S 519317/PRN	PRAI
Publication Year	/PY	S 1984/PY	SO, PI
Source (contains CODEN, journal title and other higher level titles, ISBN, ISSN, publisher, meeting information, number of contract, number of report)	/SO	S (COMPUTER(W)APPLICATION) /SO  S 1-88914-8/SO  S (RAPID(W)CITY(S)SD)/SO	SO

## Search and Display Field Codes

Search Field Name	Search Code	Search Examples	Display Codes
Title (2) Update	/TI /UP	S (ANTI(W)NBC(S)OVERSHOE) /TI S UP>=881015	TI Not displayed

- (1) Pairs of controlled terms (main term/qualifier) are searchable with (S) operator. Controlled Terms of one split are indexed with (L) proximity  
 (2) Titles of higher level (e.g. title of book in a citation of a book article) are searchable in /SO  
 (3) Search with special characters  
 (4) Elements cited in Hill System order with an asterisk (\*) between element terms

## DISPLAY and PRINT Formats

Any combination of codes may be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g. D L1 1-5 TI AU. The fields are displayed or printed in the order requested.

Format	Content	Examples
AB ABDE ABFR AN AI AU BT BTDE CC CS CT CTDE CY DT ET FA IC LA NC NR PI PRAI SO TI	Abstract Abstract in German Abstract in French Accession Number Application Information Author (patent inventor) Broader Terms Broader Terms in German Classification Codes Corporate Source (patent assignee) (format includes AU) Controlled Terms Controlled Terms in German Country of Publication Document Type Element Terms Field Availability International Patent Classification Language Number of Contract Number of Report Patent Information Priority Information Source (format includes NR) Title	D TI AB D TI ABDE D TI ABFR D 1-5 AN D AI D AU TI D CT BT 5-15 D CT BTDE D CC D CS D CT D CTDE D CY D DT D ET D FA D IC D LA TI D NC D NR D PI D PRAI D SO D TI 1-10
ALL ALLDE ALLFR  BIB  DALL IALL IBIB IND INDDE TRIAL TRIALDE	BIB, AB, IC, CC, CT, BT, ET BIB, ABDE, IC, CC, CTDE, BTDE, ET BIB, ABFR, IC, CC, CT, BT, ET  AN, TI, AU, CS, NC, NR, SO, DT, CY, LA, FA Patents: AN, TI, AU, CS, PI, AI, PRAI, DT, CY, LA, FA (BIB is default) ALL, delimited for post-processing ALL, indented with text labels BIB, indented with text labels AN, IC, CC, CT, BT, ET AN, IC, CC, CTDE, BTDE, ET TI, IC, CC, CT, BT, ET, FA TI, IC, CC, CTDE, BTDE, ET, FA	D 1-3 ALL D L2 ALLDE D ALLFR 2-5 D ACC 17(22): 79412 ALL D 8 BIB D 8  D DALL D IALL D IBIB D IND D INDDE D TRI D TRIALDE

**INIS****SELECT, ANALYZE, and SORT Fields**

The SELECT command is used to create E-numbers or an L-number containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

<b>Field Name</b>	<b>Field Code</b>	<b>ANALYZE/ SELECT</b>	<b>SORT</b>
Abstract	AB	Y	N
Abstract in French	ABFR	Y	N
Abstract in German	ABDE	Y	N
Accession Number	AN	Y	N
Application Information	AI	Y	Y
Author (Patent Inventor)	AU	Y	Y
Broader Term	BT	Y	N
Broader Term in German	BTDE	Y	N
Classification Code	CC	Y	Y
CODEN	CODEN	N	Y
Controlled Term	CT	Y	N
Controlled Term in German	CTDE	Y	N
Corporate Source (Patent Assignee)	CS	Y	Y
Country of Publication	CY	Y	Y
Document Type	DT	Y	Y
Element Term	ET	Y	N
Field Availability	FA	Y	N
International Patent Classification	IC	Y	Y
International Standard Book Number	ISBN	N	Y
International Standard Serial Number	ISSN	N	Y
Journal Title	JT	N	Y
Language of Original Document	LA	Y	Y
Number of Contract	NC	Y	Y
Number of Report	NR	Y	Y
Patent Information	PI	Y	Y
Priority Information	PRAI	Y	Y
Publication Date	PD	N	Y
Publication Year	PY	Y	Y
Source	SO	Y	N
Title of Document	TI	Y	Y

## Sample Records

### DISPLAY BIB OF PATENT

AN 17(21):72705 INIS  
TI Anti-NBC (nuclear, biological or bacteriological, chemical) overshoe and its manufacturing process.  
AU Fabbro, O.  
CS Morgan Technique Ltd., London (UK)  
PI GB 2163638 A 5 Mar 1986 6 p.  
Available from the Patent Office, 25 Southampton Buildings, London, WC2A 1AY  
AI 8421895 30 Aug 1984  
DT Patent; Availability Note  
CY United Kingdom  
LA English  
FA AB

### DISPLAY BIB OF BOOK

AN 17(22):77733 INIS  
TI Annual limits of intake (ALI) and derived air concentration (DAC) for the population. Statement from the 1983 Washington meeting of the International Commission on Radiological Protection. Grenzwerte der Jahresaktivitaetszufuhr (ALI) und Werte der abgeleiteten Aktivitaetskonzentrationen in Luft (DAC) fuer die Bevoelkerung. Erklaerung der Internationalen Strahlenschutzkommission anlaesslich ihrer Sitzung im Oktober 1983 in Washington, U.S.A.  
AU Anon.  
SO Limits for intake of radionuclides by workers - ICRP publication 30, part 1-3. - Annual limits of intake (ALI) and derived air concentration (DAC) for the population - statement of the ICRP, October 1983. Grenzwerte der Aktivitaetszufuhr von Radionukliden fuer Beschaeftigte - ICRP Veroeffentlichung 30, Teil 1-3. - Grenzwerte der Jahresaktivitaetszufuhr (ALI) und Werte der abgeleiteten Aktivitaetskonzentrationen in Luft (DAC) fuer die Bevoelkerung - Erklaerung der ICRP, Oktober 1983. Bundesgesundheitsamt, Berlin (Germany, F.R.); Eidgenoessisches Gesundheitsamt, Bern (Switzerland); Bundesministerium fuer Gesundheit und Umweltschutz, Vienna (Austria) (0973700; 2313660; 097550) Stuttgart: Fischer. 1985. p. 409-417 of 436 p. With 5 figs., 195 tabs. Ser. Title: Veroeffentlichungen der Internationalen Strahlenschutzkommission. no. 30. ISBN: 3-437-10955-3  
DT Book Article  
CY Germany, Federal Republic of  
LA German  
FA AB; ABDE

**INIS****DISPLAY ALL OF JOURNAL**

AN 17(22):77145 INIS  
 TI Magnetic properties and magnetic phase transitions in the hydride Gd<sub>2</sub>Co<sub>7</sub>H<sub>7.7</sub>.  
 AU Andreev, A.V.; Bartashevich, M.I.; Deryagin, A.V.; Tarasov, E.N. (A. M. Gor'ki Ural State University, Sverdlovsk)  
 SO Sov. Phys. - JETP (Engl. Transl.). (Sep 1985) v. 62(3) p. 551-555. Cover-to-cover translation of Zhurnal Eksperimental'noj i Teoreticheskoy Fiziki (USSR).  
 CODEN: SPHJAR ISSN: 0038-5646  
 DT Journal  
 CY United States  
 LA English  
 FA AB  
 AB The crystal structure, magnetic moment, magnetocrystalline anisotropy, magnetostriction, hysteresis magnetic properties and magnetic phase transitions of the hydride Gd<sub>2</sub>Co<sub>7</sub>H<sub>7.7</sub> have been investigated. An explanation is given for the observed variations in the magnetic properties and the magnetic phase transitions when the initial compound Gd<sub>2</sub>Co<sub>7</sub> is hydrogenated  
 CC \*B2340  
 CT COBALT HYDRIDES; CRYSTAL STRUCTURE; GADOLINIUM HYDRIDES; HYDROGENATION; HYSTERESIS; MAGNETIC MOMENTS; MAGNETIC PROPERTIES; MAGNETOSTRICTION; PHASE TRANSFORMATIONS  
 \*COBALT HYDRIDES: \*MAGNETIC PROPERTIES; \*GADOLINIUM HYDRIDES: \*MAGNETIC PROPERTIES  
 BT CHEMICAL REACTIONS; COBALT COMPOUNDS; GADOLINIUM COMPOUNDS; HYDRIDES; HYDROGEN COMPOUNDS; PHYSICAL PROPERTIES; RARE EARTH COMPOUNDS; TRANSITION ELEMENT COMPOUNDS  
 ET Co\*Gd\*H; Co sy 3; sy 3; Gd sy 3; H sy 3; Gd<sub>2</sub>Co<sub>7</sub>H<sub>7.7</sub>; Gd cp; cp; Co cp; H cp; Co\*Gd; Co sy 2; sy 2; Gd sy 2; Gd<sub>2</sub>Co<sub>7</sub>